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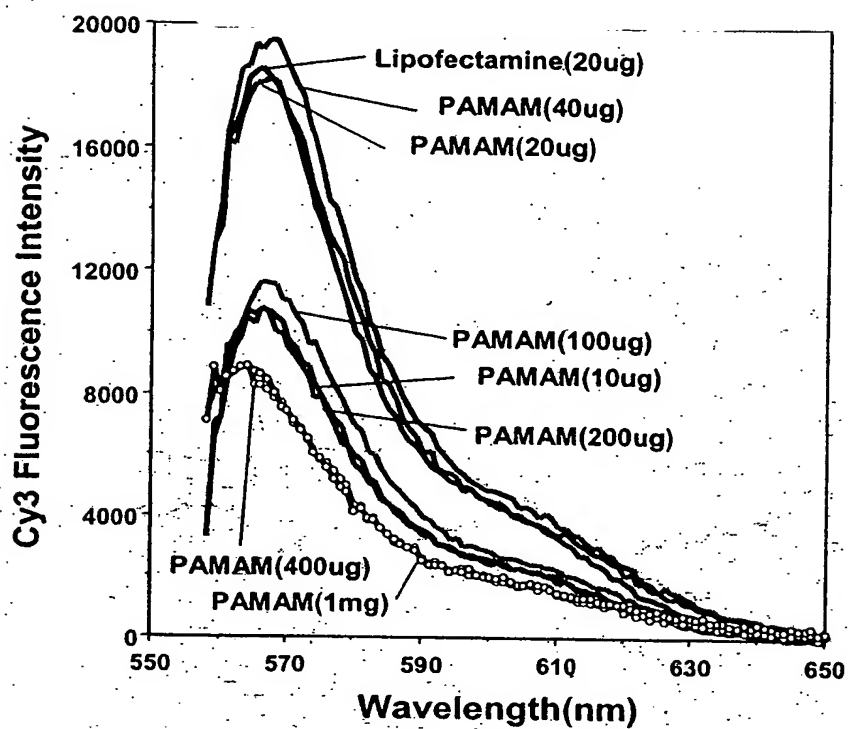
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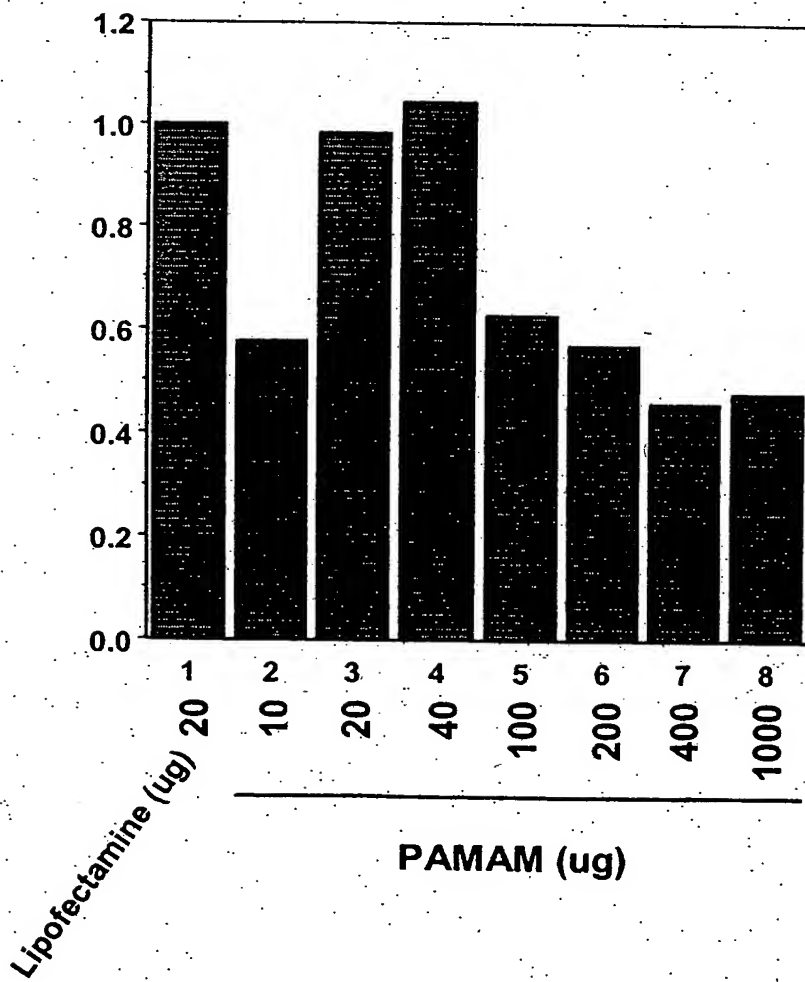
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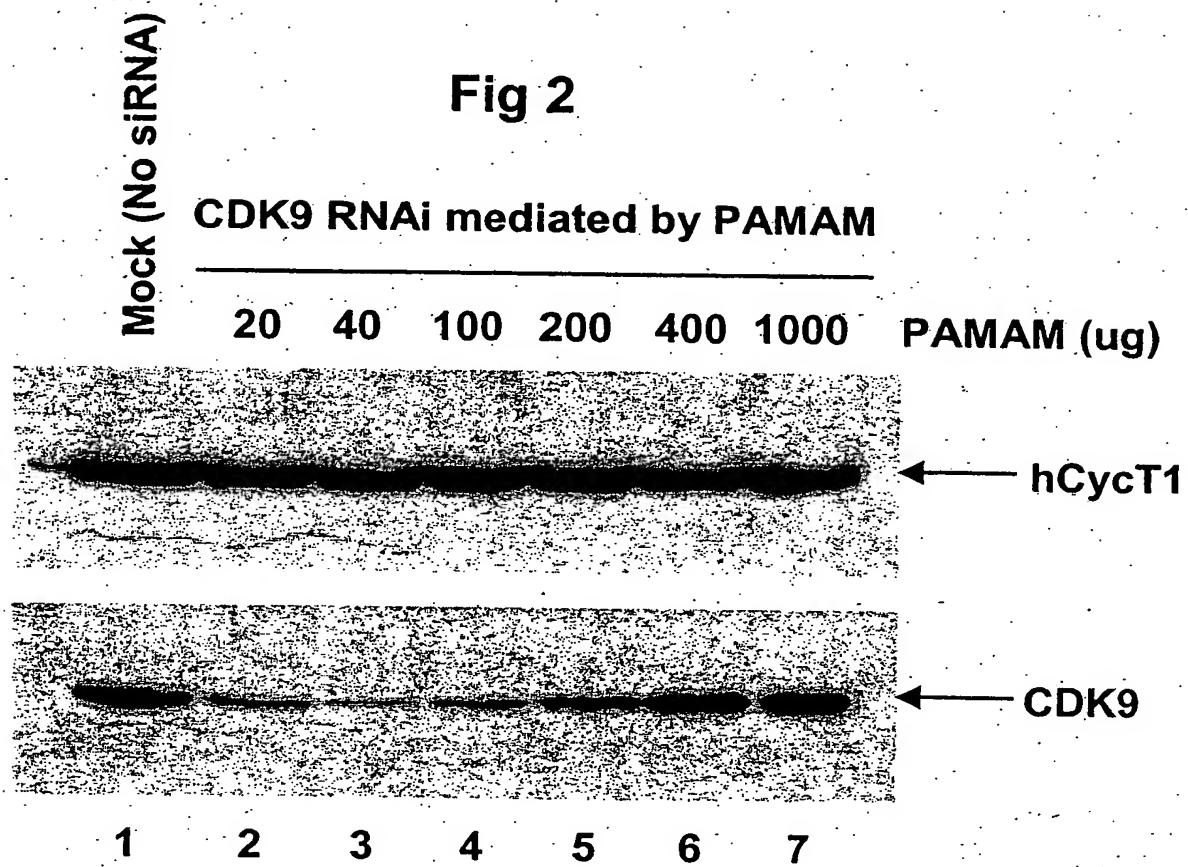
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1A

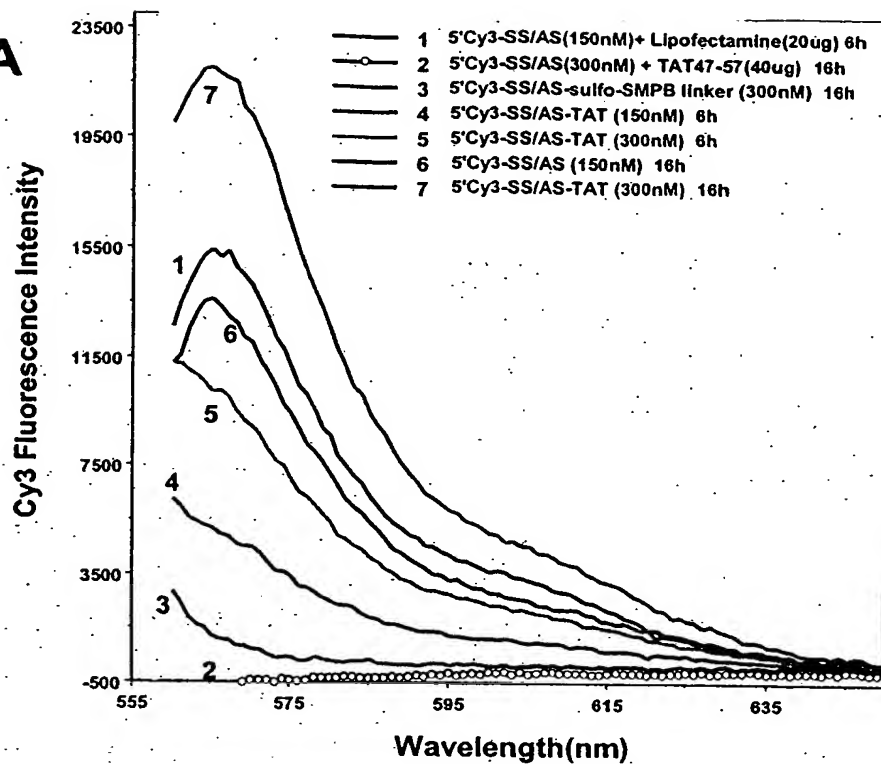


1B

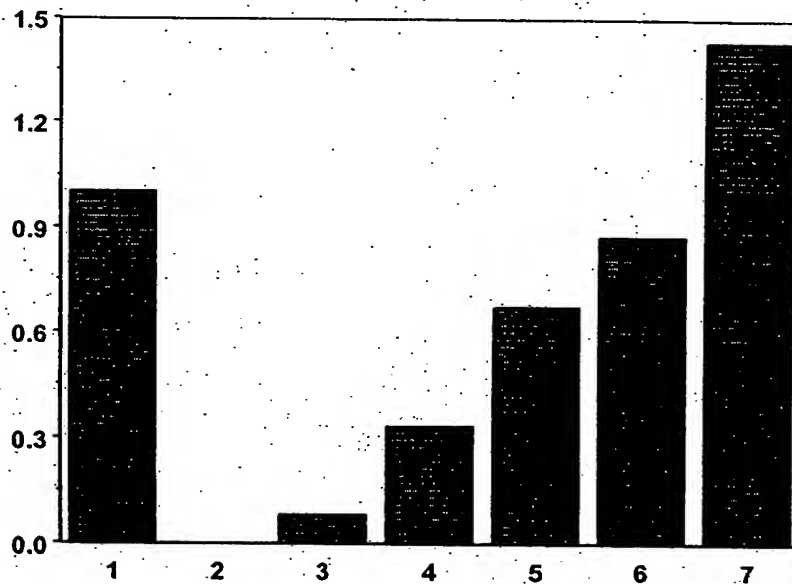




**3A**

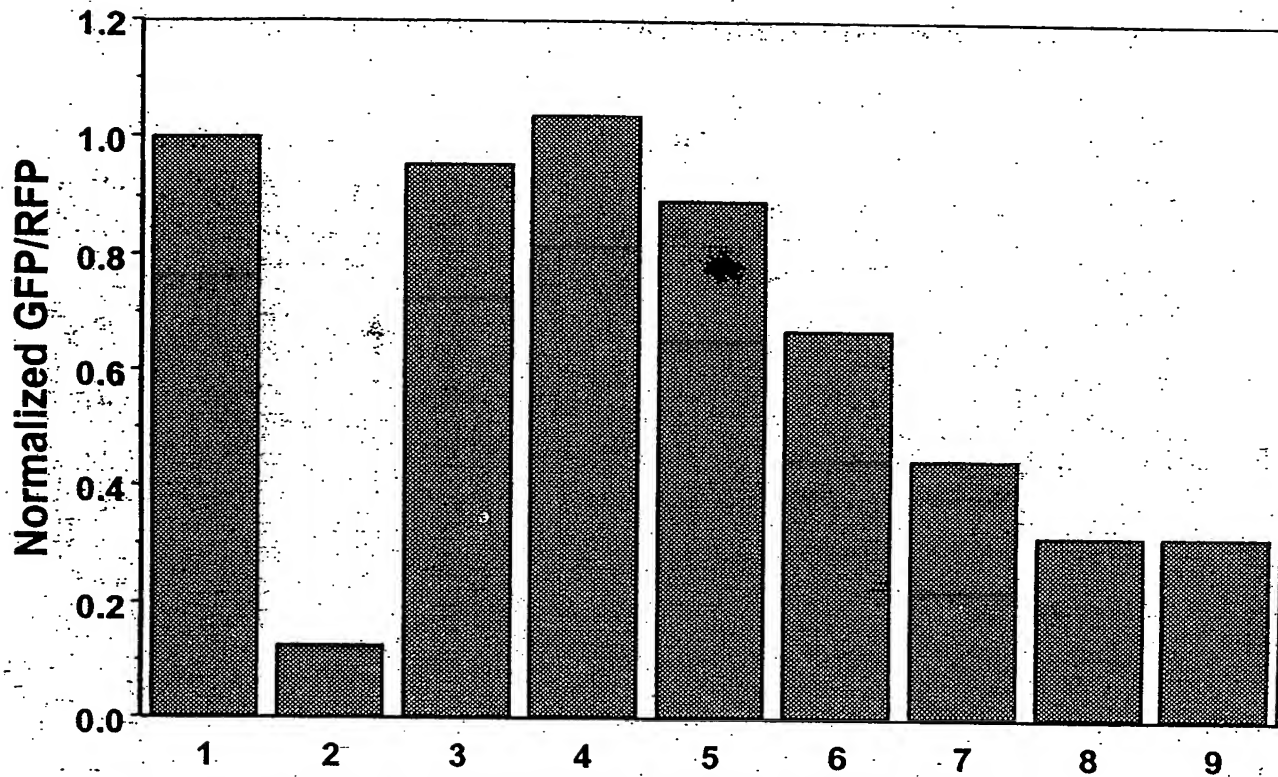


**3B**



1. Cy3-SS/AS-3'N3 (300nM) by Lipofectamine
2. Cy3-SS/AS-3'N3+TAT (300nM), 16h
3. Cy3-SS/AS-3' sulfo-SMPB (300nM), 16h
4. Cy3-SS/AS-3'TAT (150nM), 6h
5. Cy3-SS/AS-3'TAT (300nM), 6h
6. Cy3-SS/AS-3'TAT (150nM), 16h
7. Cy3-SS/AS-3'TAT (300nM), 16h

**Fig 4**



1. Mock
2. SS/AS-3'N3 (100nM) by Lipofectamine
3. SS/AS-3'N3+TAT (300nM)
4. SS/AS-3'N3-Sulfo-SMPB (300nM)
5. SS/AS-3'TAT (25nM)
6. SS/AS-3'TAT (50nM)
7. SS/AS-3'TAT (100nM)
8. SS/AS-3'TAT (200nM)
9. SS/AS-3'TAT (300nM)

**Fig 5**

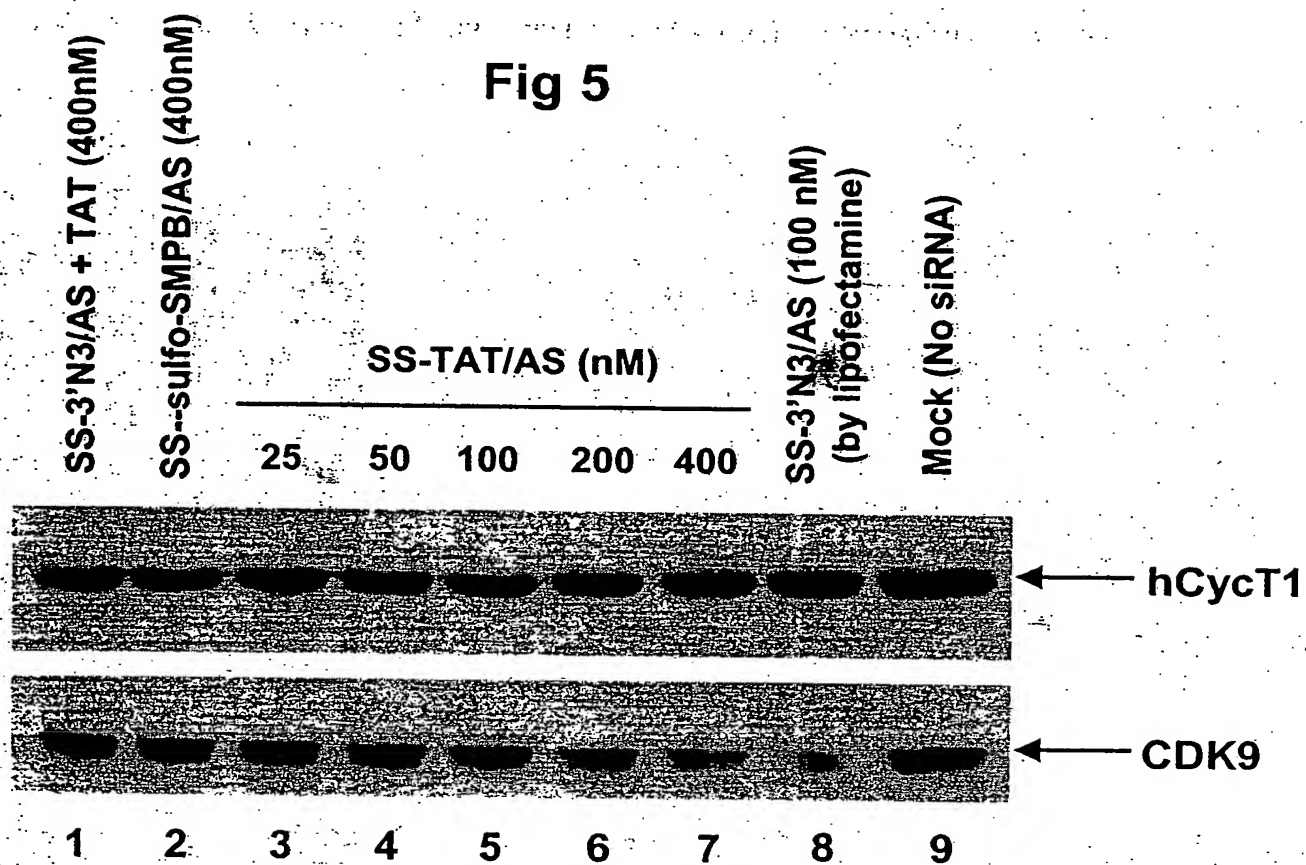


Fig 6A

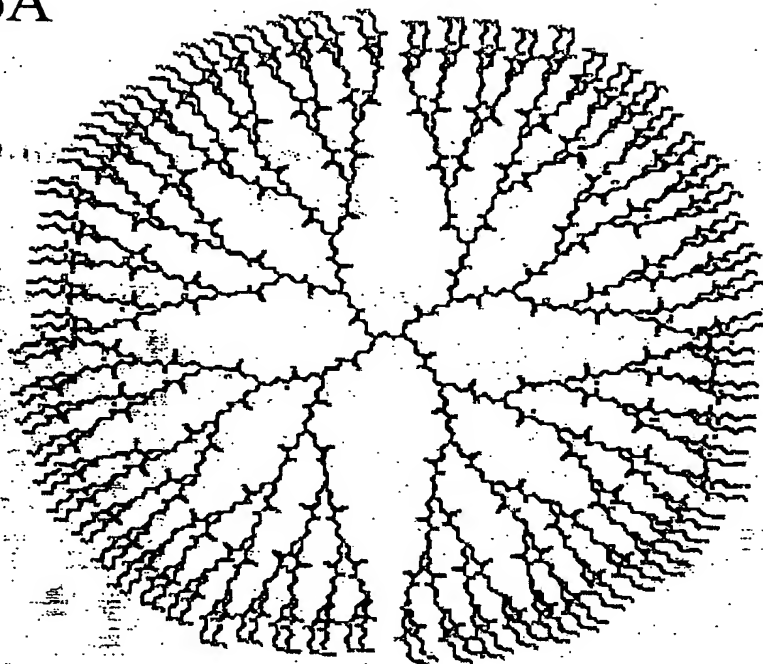


Fig 6B

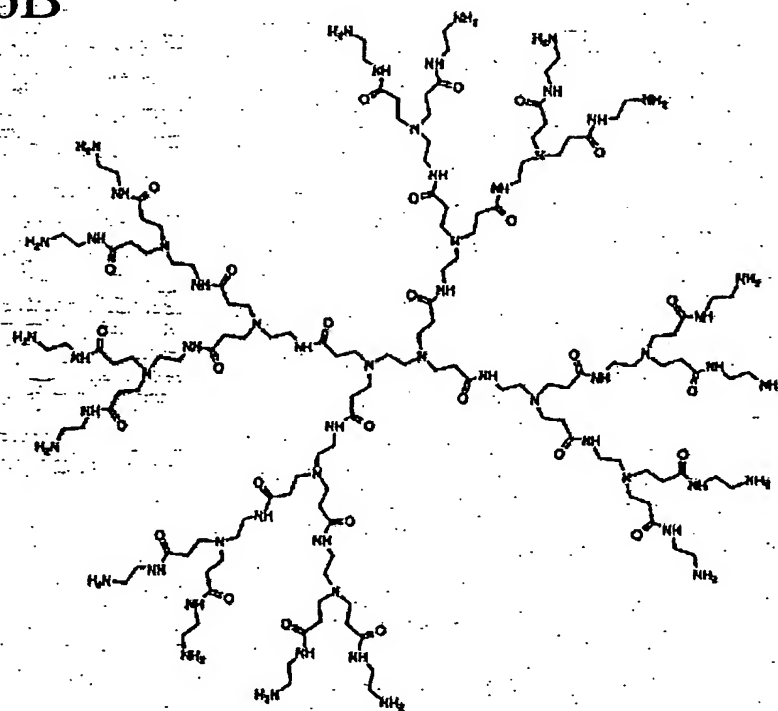


Fig 6C

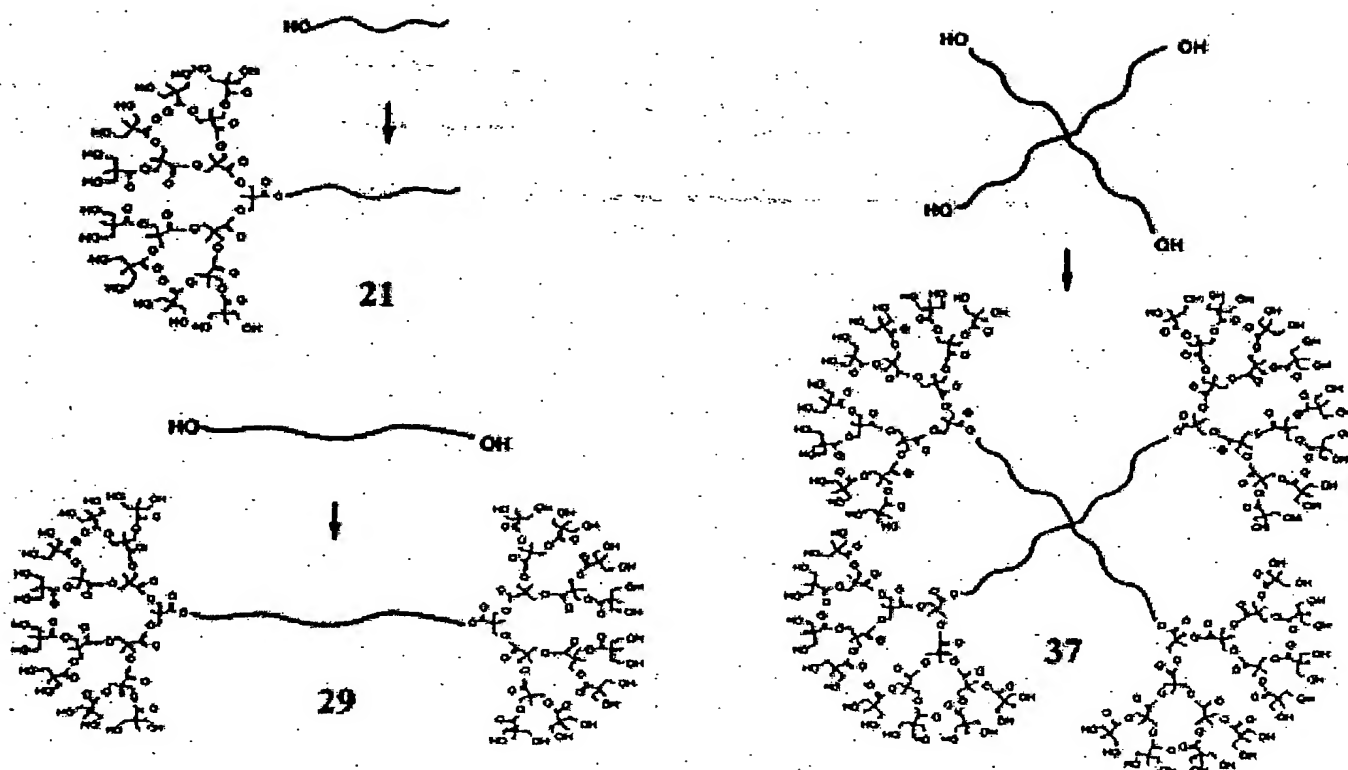
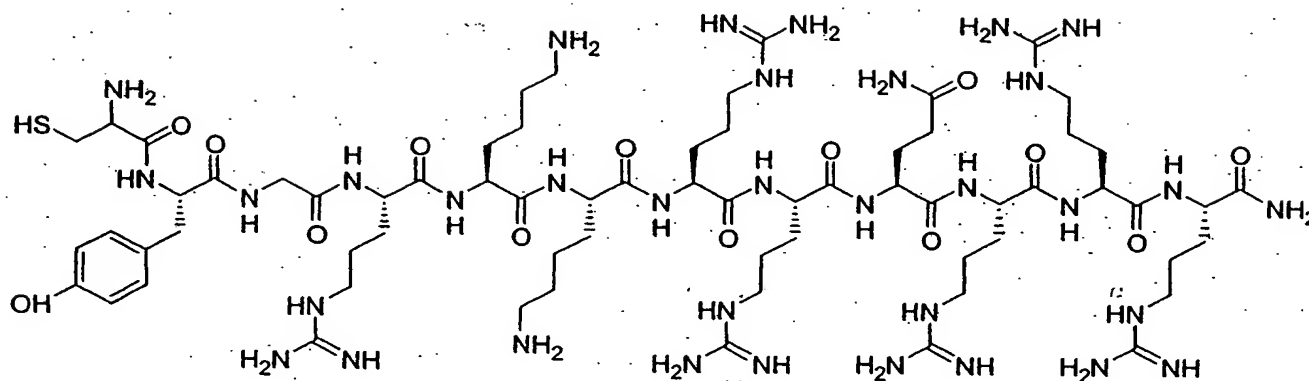




Figure 7

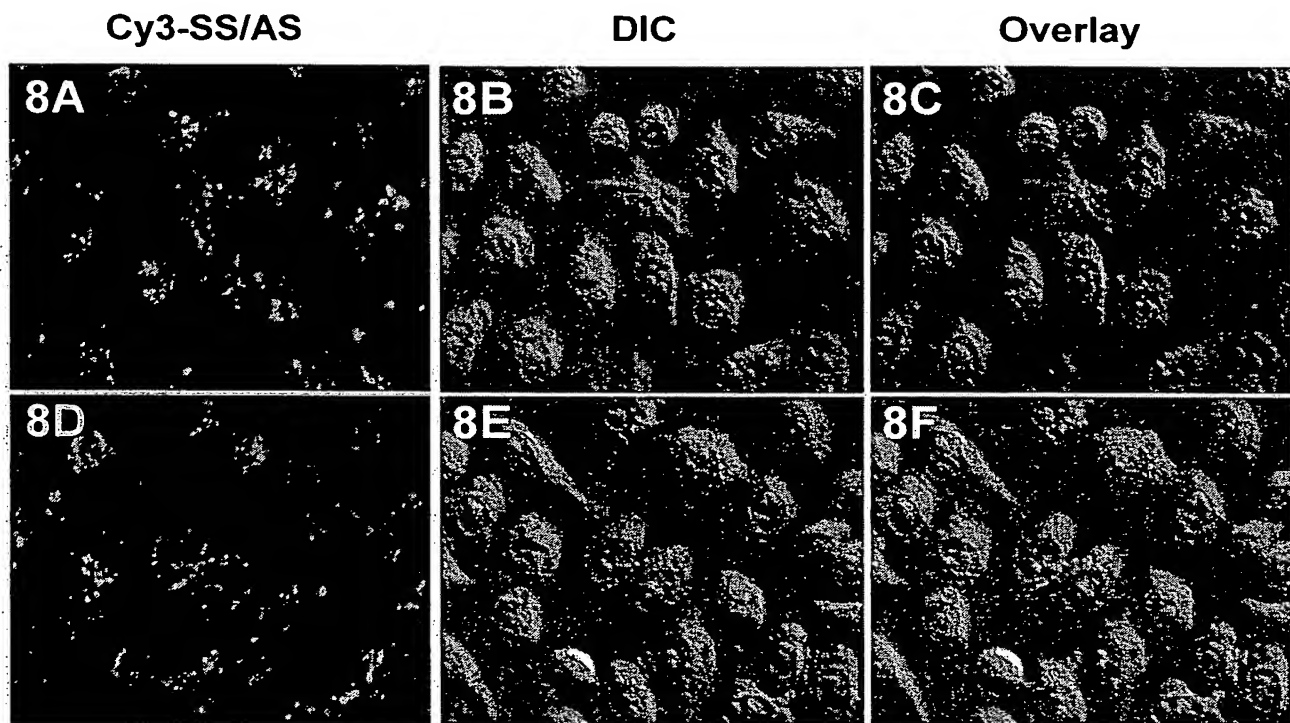


$C_{67}H_{124}N_{34}O_{14}S$   
Exact Mass: 1660.98  
Mol. Wt.: 1661.99  
C, 48.42; H, 7.52; N, 28.65; O, 13.48; S, 1.93

Cys-Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg  
SEQ ID NO. 12

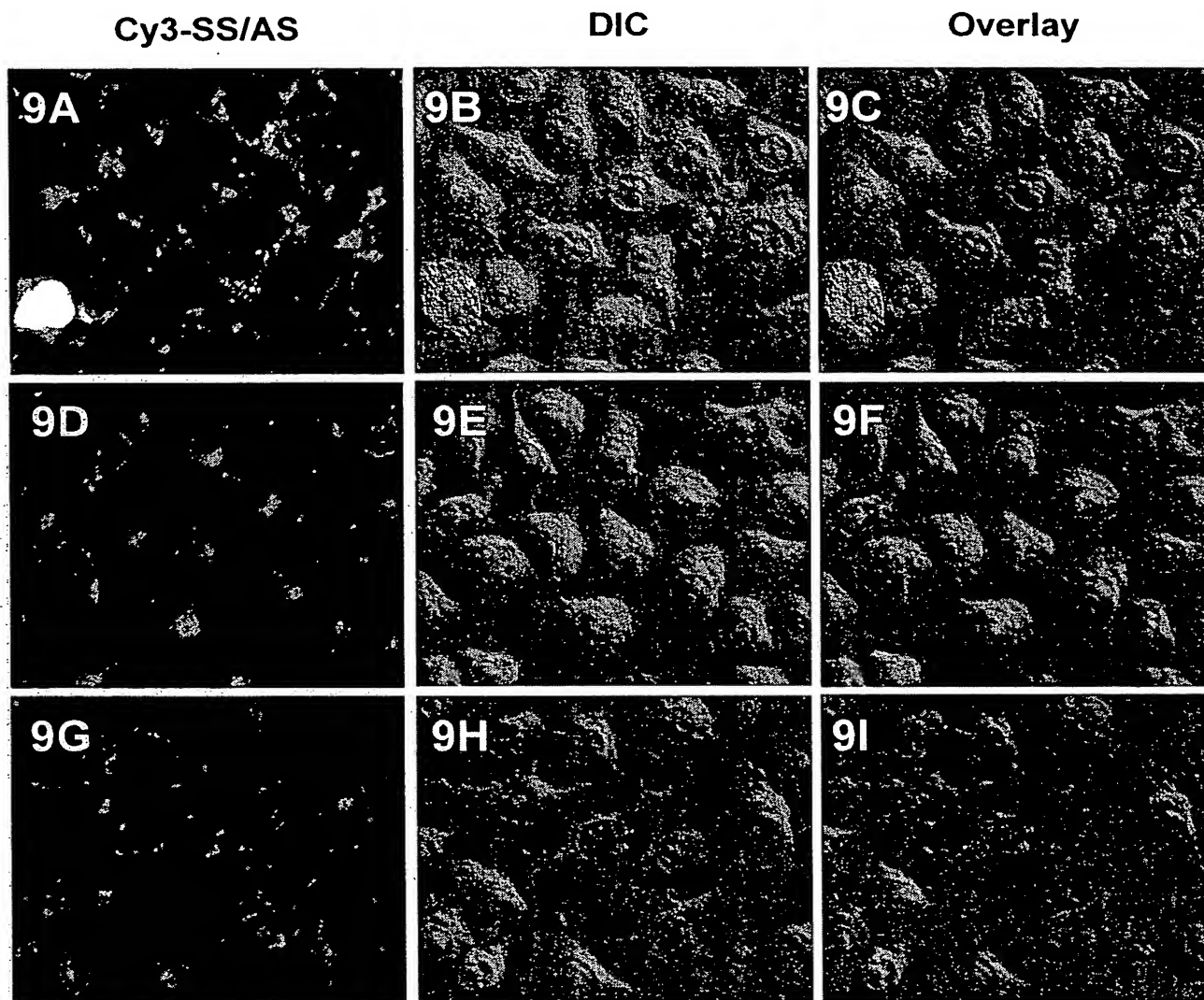
## Figures 8A-8F

**Localization of Cy3-SS/AS Duplex siRNA in HeLa Cells  
(20ug/mL Lipofectamine-mediated Transfection for 6 hr)**



## Figures 9A-9I

**Localization of Cy3-SS/AS Duplex siRNA in HeLa Cells  
(40ug/mL Dendrimer [PAMAM]-mediated Transfection for 6 hr)**



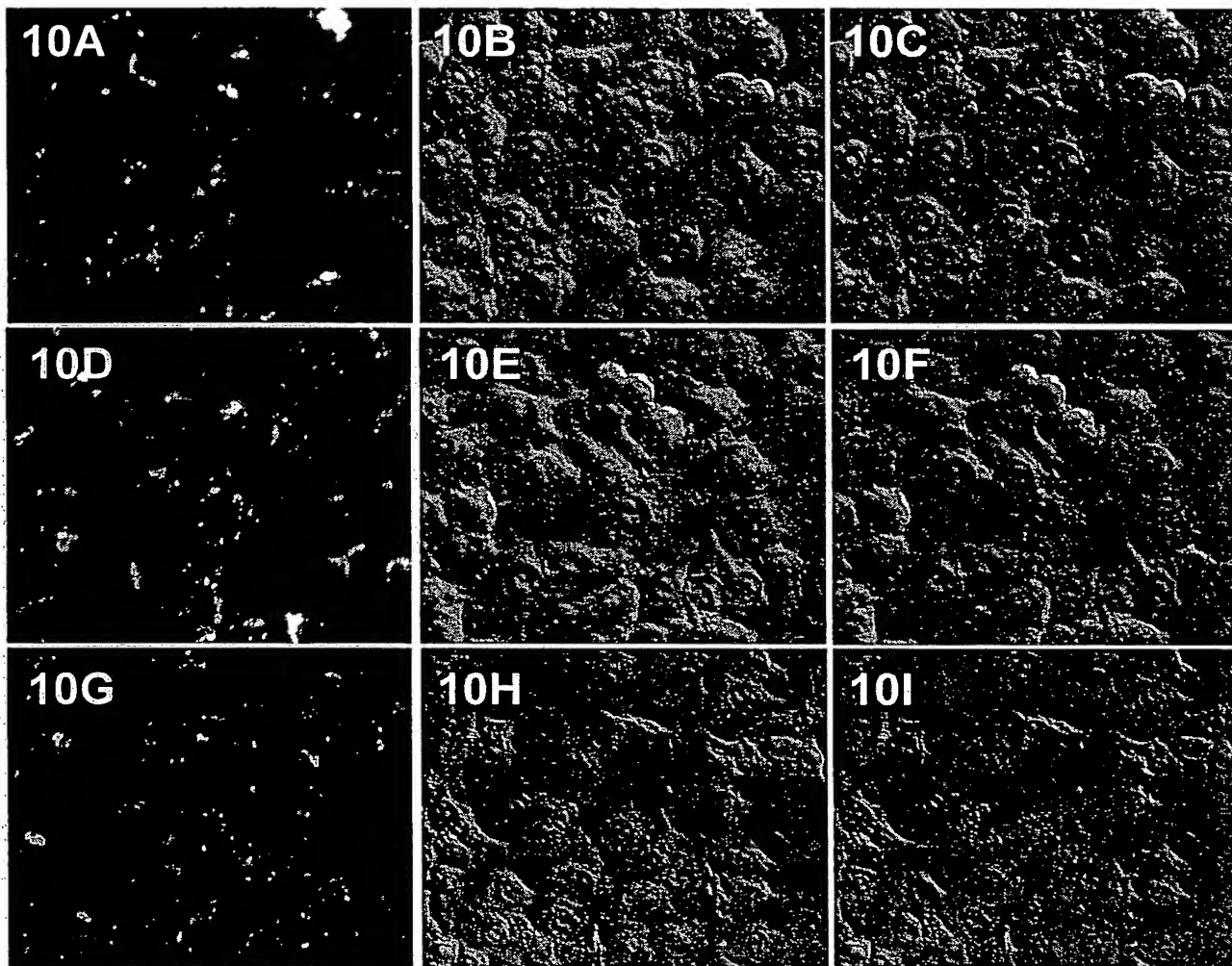
## Figures 10A-10I

### Localization of Cy3-SS/AS-TAT (47-57) Duplex siRNA in HeLa Cells

Cy3-SS/AS-TAT(47-57)

DIC

Overlay



**GFP ds siRNA** Sense strand (ss) 5' GCAGCAGCAGUUCUUCUUAAGdTdT  
Antisense strand (as) dTdTTCGUCGUGCUGAAGAAGUUC 5'

**GFP mRNA target site sequence** AAGCAGCAGCAGUUCUUAAG  
234 258

**GFP mRNA** m7GpppQ [GFP mRNA sequence] Poly A